

PERMIT APPLICATION: NRS 07.234

APPLICANT: Tim Downey
501 Corporate Centre Drive, Suite 600
Franklin, TN 37067
(615) 778-3150

LOCATION: Project is located in the Laurelbrooke Development (Lot 1235), north of Sneed Road, south of the Little Harpeth River and east of Stockit Road. Williamson County.

WATERSHED DESCRIPTION: Surrounding land use is residential development and a few scattered woodlots. An unnamed tributary to the Little Harpeth River will be impacted which has not been determined to be exceptional Tennessee waters. The proposed project lies within the Harpeth River watershed HUC 05130204.

PROJECT DESCRIPTION: The applicant proposes to impound an unnamed tributary to the Little Harpeth River. The unnamed tributary is 2-3 feet wide with channel depths less than one foot. The impoundment will be approximately 200' x 70' and a depth of 3-6 feet. It will also have a waterfall consisting of step pools 6-inches or less.

Approximately 430 feet of stream will be modified which includes the pond, the step pools downstream of the pond and the mitigation section. Exotic plants will be removed from around the proposed pond. Native herbaceous plants will be planted at the water line to improve water quality.

Pond construction will occur during the drier months of the year. Stream flow will be pumped around the construction site during construction.

Compensatory stream mitigation shall occur onsite up and downstream of the impoundment. The applicant will enhance the 100 feet above the pond using Rosgen natural stream design, improving the spillway by use of a Rosgen structure and the creation of Rosgen step pools to return to the elevation of the stream below the impoundment. Additionally 60 feet of stream from the end of the step pools to the culvert will be enhanced.

The applicant shall monitor the stream mitigation and submit annual reports to this office.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity may result in more than *de -minus* degradation to water quality.

PERMIT COORDINATOR: Mike Lee

TOPOGRAPHICAL QUADRANGLE: Bellevue 308 SW
Lat 36.044 Long -86.895

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TIM DOWNEY
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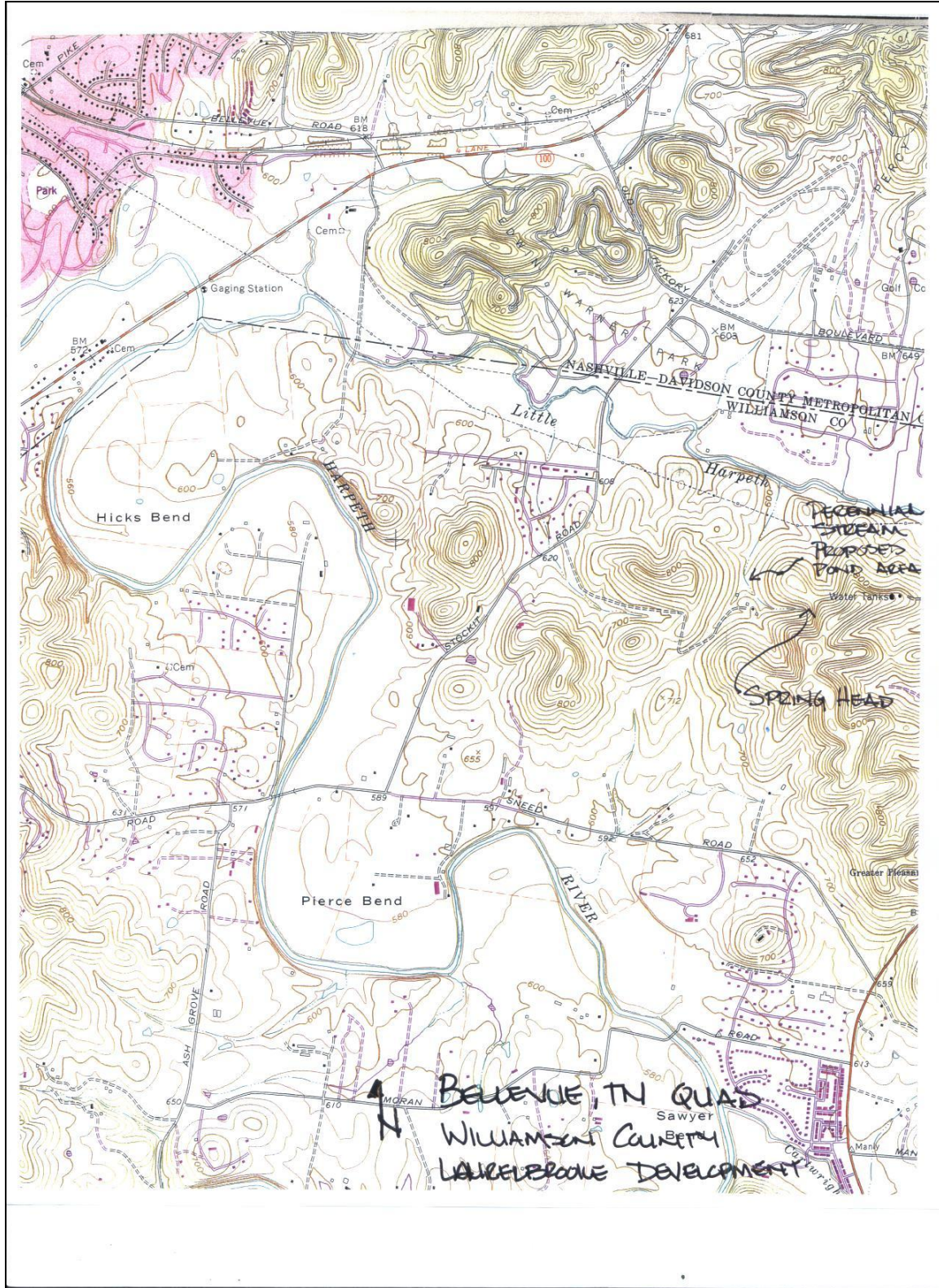
No decision has been made whether to issue or deny this permit. The purpose of this notice is to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced.

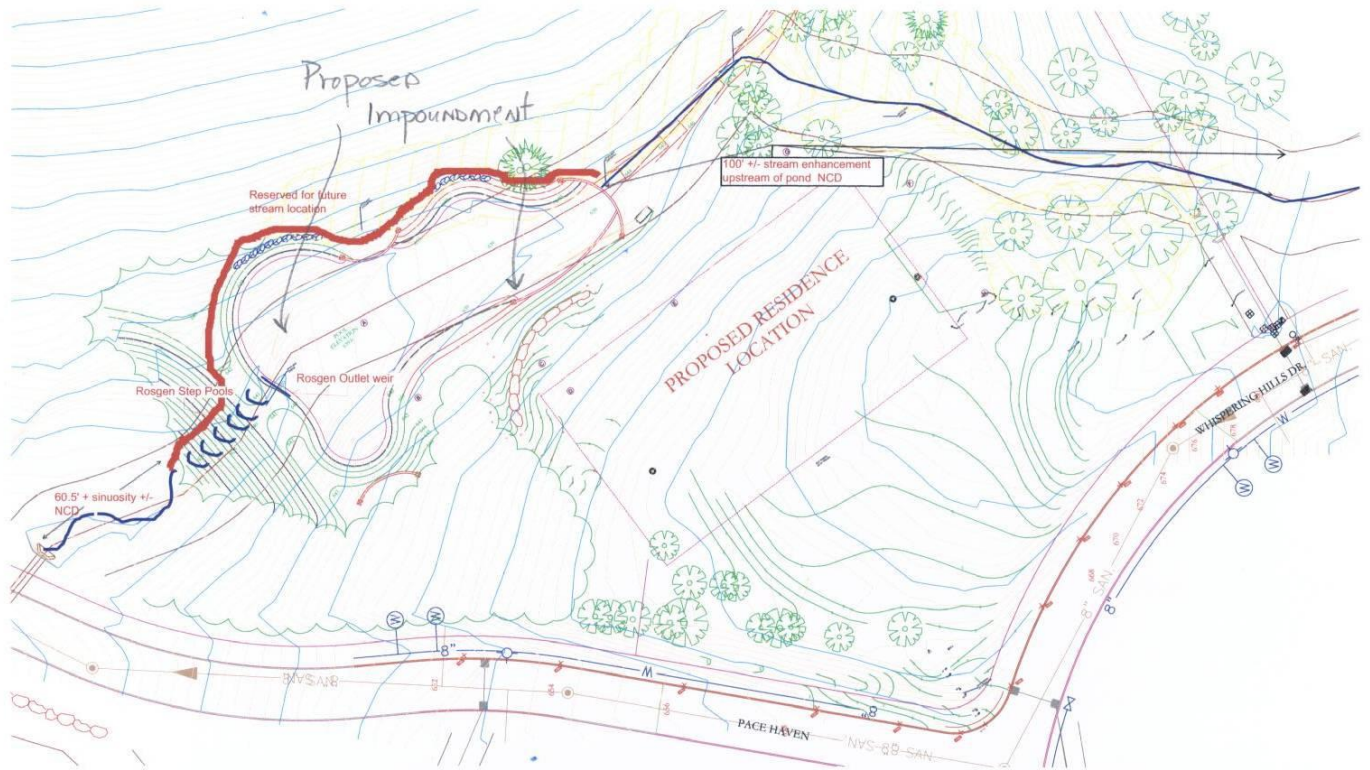
Interested persons may also request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing.

The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address for review and/or copying. The department's address is:

Tennessee Department of Environment & Conservation
Division of Water Pollution Control, Natural Resources Section
7th Floor L & C Annex
401 Church Street
Nashville, TN 37243

In deciding whether to issue or deny a permit, the department will consider all comments on record and the requirements of applicable federal and state laws.

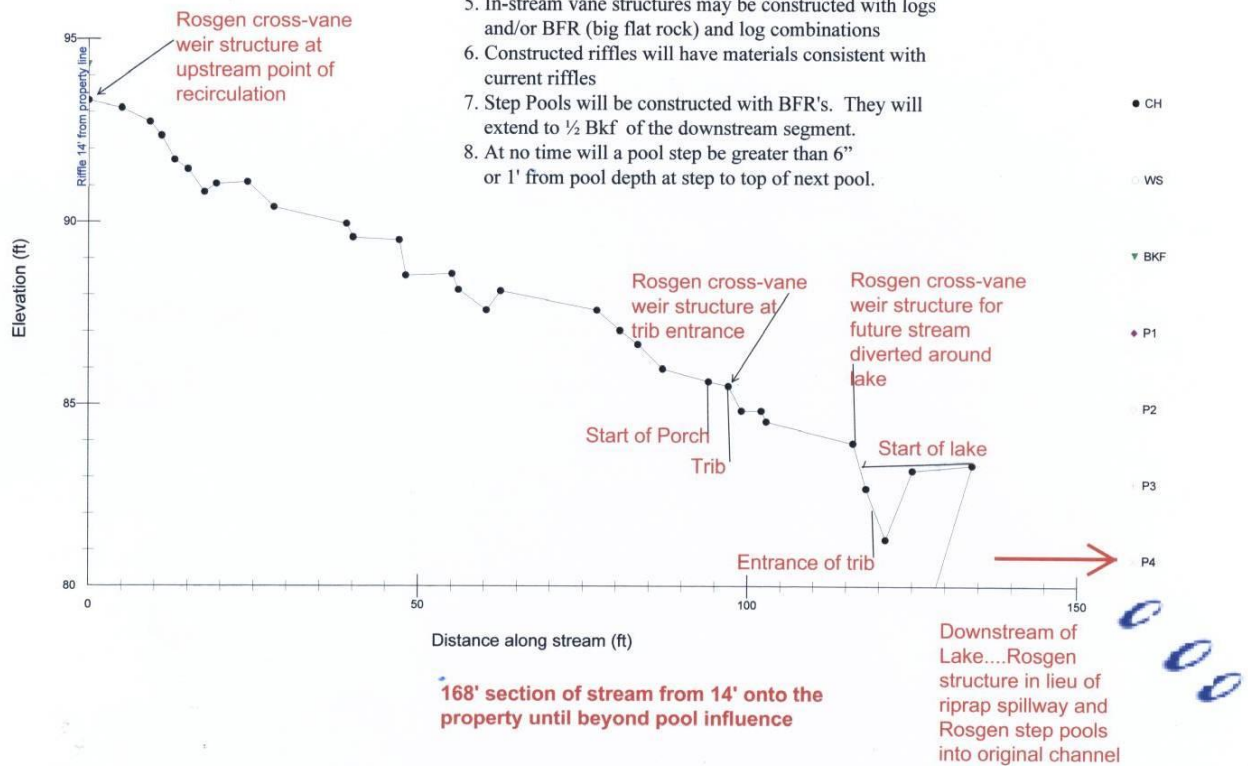


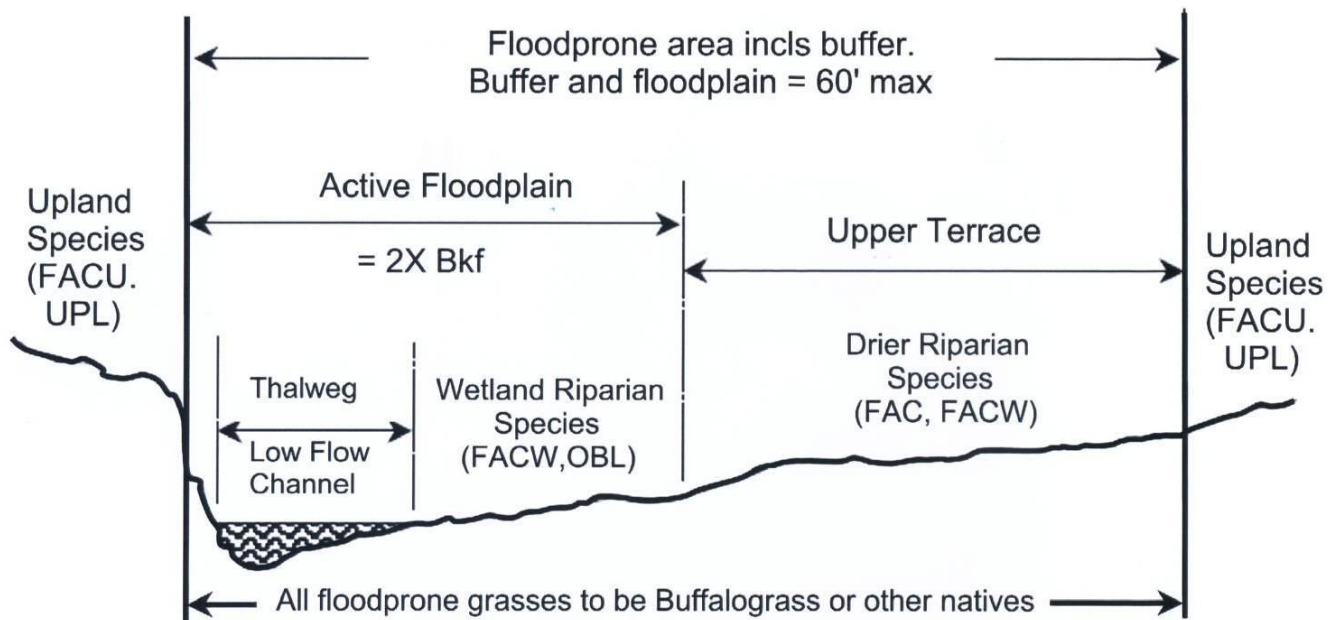


Tim's Lot
1236 Whispering Hills

General Notes

1. Stream may be field adjusted by Rosgen Consultant
2. Planting plan will be reviewed by Rosgen Consultant
3. Stream is to be constructed in the dry. A pump around method will be utilized.
4. Location and qty of in-stream structures may change based on conditions as directed by Rosgen Consultant.
5. In-stream vane structures may be constructed with logs and/or BFR (big flat rock) and log combinations
6. Constructed riffles will have materials consistent with current riffles
7. Step Pools will be constructed with BFR's. They will extend to 1/2 Bkf of the downstream segment.
8. At no time will a pool step be greater than 6" or 1' from pool depth at step to top of next pool.





Reeds, 1988 FACU, facultative - UPL, upland, OBL, obligate
A W=Wet or U= Upland at the end of FAC

Plants will consist of native trees and shrubs planted on 10' ctrs, min 2 rows wide ea side of stream. Trees (upland and lowland) will be 1 gal to 1" caliper min. This is a natural setting...shrubby and woody should be planted in clusters. Ground covers will be native grasses, ferns, and forbs.

WISE 2008

Downstream Mitigation

MITIGATION PLAN



IMPOUNDMENT AREA



IMPOUNDMENT AREA